MATHNC-1: BASIC MATHEMATICS

Is your course a common course numbering course?
No

Effective Term
Fall 2025

CC Approval
03/07/2025

AS Approval
03/13/2025

BOT Approval
03/20/2025

COCI Approval
04/03/2025

SECTION A - Course Data Elements

Send Workflow to Initiator
No

CB04 Credit Status
Noncredit

CB22 Noncredit Category
Elementary and Secondary Basic Skills

Discipline

Minimum Qualifications	And/Or
Learning Disabilities: Specialist (Master's Degree)	

Subject Code
MATHNC - Mathematics Noncredit

Course Number
1

Department
Learning Skills (LRNS)

Division
Language and Developmental Studies (LADS)

Full Course Title
Basic Mathematics

Short Title
Basic Mathematics

CB03 TOP Code
4930.32 - Learning Skills, Learning Disabled

CB08 Basic Skills Status
BS - Basic Skills

CB21 Prior Transfer Level
C - Three levels below transfer

CB09 SAM Code
E - Non-Occupational

Rationale
Renumbering non-credit courses.

SECTION B - Course Description

Catalog Course Description
Designed for the student for whom traditional mathematics instruction has not been successful. Individualized, self-paced instruction in whole numbers and fractions. Not open to students who have received a Cr or a grade of C or better in other mathematics courses without assessment. Pass/no pass grading; open entry/open exit.

SECTION C - Conditions on Enrollment

Open Entry/Open Exit
Yes

Repeatability
Unlimited - Noncredit OR Work Experience Education

Grading Options
No Grade-Noncredit

Allow Audit
Yes

Requisites

SECTION D - Course Standards

Is this course variable hour?
Yes

Total Instructional Hours
36
Total Instructional Hours Maximum
72

Distance Education Approval

Is this course offered through Distance Education?
Yes

Online Delivery Methods

DE Modalities	Permanent or Emergency Only?
Entirely Online	Permanent
Hybrid	Permanent
Online with Proctored Exams	Permanent

SECTION E - Course Content

Student Learning Outcomes

	Upon satisfactory completion of the course, students will be able to:
1.	Students will demonstrate an increased confidence in their math ability.
2.	Students will demonstrate a working knowledge of computers and the Internet necessary for completing math modules/units.
3.	Students will demonstrate a working knowledge of operations with fractions necessary for success in future math classes.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1.	Add, subtract, multiply and divide whole numbers and fractions.

Course Content

1. Fractions
   a. Find the factors of a number and the prime factorization of a number
   b. Find the greatest common factor of a group of numbers
   c. Identify proper and improper fractions (and mixed numbers)
   d. Write improper fractions and mixed numbers/whole numbers and write mixed numbers and improper fractions/whole numbers
   e. Simplify fractions and build fractions
   f. Interpret and find equivalent fractions and compare fractions
   g. Multiply and divide fractions
   h. Operate with mixed fractions
   i. Simplify complex fractions
   j. Solve word problems involving fractions

Methods of Instruction

Methods of Instruction

Types	Examples of learning activities
Lab	Students use a computer during class time. Math concepts are presented in this multi-media format and students also work practice problems in the same interactive format.
Lecture	Group lectures - instructor will give mini lectures on math topics covered in math modules. These lectures make only a portion of class time. Individualized tutoring - As students work on their math (computer and handwritten assignments), the instructor and instructional assistants will tutor individual students or small group of students on a difficult math concept, as needed.

Instructor-Initiated Online Contact Types

Announcements/Bulletin Boards
Chat Rooms
Discussion Boards
E-mail Communication
Telephone Conversations
Video or Teleconferencing

Student-Initiated Online Contact Types

Chat Rooms
Discussions
Group Work

Course design is accessible

Yes

Methods of Evaluation

Methods of Evaluation

Types	Examples of classroom assessments
Exams/Tests	Module exams will be given after each lesson in a module of instruction.
Quizzes	Chapter quizzes will be given throughout each lesson in a module of instruction.

Assignments

Reading Assignments

Students will read examples and explanations from the text and from the computer presentation.

Writing Assignments
Students are required to complete practice exercises on the math skills in assigned modules.

SECTION F - Textbooks and Instructional Materials

Material Type
Textbook

Author
Goetz, Brian/Smith, Graham/Tobey, John

Title
Basic Mathematics

Publisher
Pearson

Year
2011

Proposed General Education/Transfer Agreement

Do you wish to propose this course for a UC Transferable Course Agreement (UC-TCA)?
No

Course Codes (Admin Only)

ASSIST Update
No

CB00 State ID
CCC000606365

CB10 Cooperative Work Experience Status
N - Is Not Part of a Cooperative Work Experience Education Program

CB11 Course Classification Status
K - Other Noncredit Enhanced Funding

CB13 Special Class Status
S - The Course is an Approved Special Class

CB23 Funding Agency Category
Y - Not Applicable (Funding Not Used)

CB24 Program Course Status
Not Program Applicable

Allow Pass/No Pass
No

Only Pass/No Pass
No